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Other Proposed Water Quality Actions and Affected Parameters that Impact Ecosystem Water Quality

		AFFECTED PARAMETERS																																	
		METALS											ORGANICS					NUTRIENTS					OTHER													
SOURCE	ACTION	Metals	Cadmium	Chromium	Copper	Lead	Mercury	Molybdenum	Nickel	Selenium	Silver		Pesticides (Insecticides, Herbicides, etc.)	Petroleum Related	Other Organics			Nitrogen (other than Ammonia)	Ammonia	Phosphorous			Arsenic	Dissolved Oxygen (D.O.)	Pathogens	pH	Temperature	Salinity (TDS, EC)	Chloride	Sodium	Suspended Solids (SS)					
Initial Report of the Water Quality Technical Advisory Committee Bay-Delta Oversight Council, Draft, December 1994	Reroute Delta Drainage through a network of pipes covering the Delta and discharge at a common point (WQ-S-1).																																		
	Collect Delta drainage in a pipe network and treat drainage for excess salts. Discharge waste brine in a remote location (WQ-S-2)																																		
	Install facilities to impound Delta island drainage to enable discharge to coincide with flushing flows and thereby lessen impact of Delta drainage on Delta salt concentrations (WQ-S-5).																																		
	Change Delta crops to those planted earlier in the season, resulting in a reduced irrigation demand, thus reducing island drainage (WQ-S-7)																																		
	Develop flow standards in the Delta that are designed to minimize intrusion of ocean salinity (WQ-F-2).																																		
	Dilute the San Joaquin River flow with water stored in New Melones Reservoir, thus reducing the salinity of water entering the Delta (WQ-F-1).																																		
	Install a facility to intercept drainage from the West side, San Joaquin Valley, and transport and discharge drainage to the Pacific Ocean (WQ-S-3).																																		

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	Develop facilities to treat sub-surface agricultural drainage in the San Joaquin Valley (WQ-S-12).																																	
	Reduce the quantity of agricultural drainage in the Valley through improved water application techniques (WQ-S-13).																																	
	Reduce water exports from the Delta. Evaluate water quality impacts in the North Delta (WQ-F-5N).																																	
	Reduce water exports from the Delta. Evaluate water quality impacts in the South Delta (WQ-F-5S).																																	
	Develop facilities to route drainage discharges from the Colusa Basin to the Yolo Bypass to be used for irrigation and, possibly, wetland habitat (WQ-S-14).																																	
	Construct facilities to store high quality water upstream of the Delta. This water would be released in tributary channels of the Delta at times and in amounts that would reduce salinity in the estuary and in waters diverted from the Delta (WQ-F-3).																																	
	Improve water management using measures such as consumptive use, conservation, and improvement of irrigation uniformity upstream of the Delta to make water available for in-stream flow maintenance (WQ-F-4).																																	

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	Implement best management practices for urban runoff; investigate relocation of waste water treatment discharges (WQ-O-6)																																	
	Install barriers in Delta channels to redirect the flow of drainage discharges. Gated barriers will allow flows to be selectively routed at different times of the year.																																	
	Divert Sacramento River water at a point where organic load is reduced to be conveyed directly to exporters.																																	
	Divert water from the Sierra at a point where pristine water quality can be obtained, to be conveyed directly to exporters.																																	
Anadromous Fish Restoration Plan: November 1995	Increase public education efforts and hazardous waste pick-ups to minimize water quality impacts associated with the use of pesticides and other hazardous materials.																																	
	Evaluate and implement actions to prevent the development of a water quality barrier to adult striped bass migration in the San Joaquin River near Stockton.																																	

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	Evaluate riparian restoration opportunities, such as conservation easements on fencing programs, that are coordinated with restoration of rearing habitats and consistent with flood control and other objectives.																															
	Evaluate opportunities to reduce the number of Delta diversions through land retirement and consolidation of diversion points.																															
	Evaluate land retirement as a means of reducing levee instability, improving water quality and riparian and rearing habitats, and reducing the number of diversions in the Delta.																															
	Evaluate opportunities to develop stream channel buffer zones to enhance riparian areas and reduce sedimentation.																															